

5957 95078

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 8/27/01 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, CP4-9C18, 306-5429.

Date 5/27/03 Serial # 09/891,925 Priority Application Date 5/31/94

Your Name Sara W. Crane Examiner # b4804

AU 2811 Phone 703 308-4894 Room CP4 4A09

In what format would you like your results? Paper is the default. PAPER DISK EMAIL

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uspto.gov

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Where have you searched so far on this case? 05-27-03 P03:16 IN

Circle: USPTO DWPI EPO Abs JPO Abs IBM TDB

Other: _____

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs Nonpatent Literature Other _____
Secondary Refs Foreign Patents
Teaching Refs

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

*I need a litigation search done for
this reissue application. The original
patent no. is 5,945,692 (Serial No.
08/432,812)*

Staff Use Only	Type of Search	Vendors
Searcher: _____	Structure (#) _____	STN _____
Searcher Phone: _____	Bibliographic _____	Dialog _____
Searcher Location: STIC-EIC2800, CP4-9C18	Litigation _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Fulltext _____	Lexis-Nexis _____
Date Completed: _____	Patent Family _____	WWW/Internet _____
Searcher Prep/Rev Time: _____	Other _____	Other _____
Online Time: _____		



STIC Search Report

EIC 2800

STIC Database Tracking Number: 95078

TO: Sara Krane
Location: CP4- 4A09
Art Unit : 2811
Tuesday, May 27, 2003

Case Serial Number: 09/891925

From: Darcy Bates
Location: EIC 2800
CP4-9C18
Phone: 306-5419

darcy.bates@uspto.gov

Search Notes

Re: 09/891,925 US 5,945,692

Attached are search results.

No U. S. litigation was found in searches of Lexis-Nexis and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

**Thanks,
Darcy Bates**

Source: [Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility Patents](#) (i)
Terms: [patno=5945692](#) ([Edit Search](#))

432812 (08) 5945692 August 31, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT
5945692

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August 31, 1999

Semiconductor device and method of fabricating same

REISSUE: Reissue Application filed Jun. 27, 2001 (O.G. Sep. 11, 2001) Ex. Gp.: 2811; Re. S.N. 09/891,925, (O.G. September 11, 2001)

INVENTOR: Yano, Mitsuhiro, Fukuoka, JP; Mochizuki, Kouichi, Fukuoka, JP

APPL-NO: 432812 (08)

FILED-DATE: May 2, 1995

GRANTED-DATE: August 31, 1999

PRIORITY: May 31, 1994 - 6-118386 P, Japan (JP)

ASSIGNEE-AT-ISSUE: Mitsubishi Denki Kabushiki Kaisha, Tokyo, JP

ASSIGNEE-AFTER-ISSUE: June 14, 1995 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., MITSUBISHI DENKI KABUSHIKI KAISHA 2- 3, MARUNOUCHI 2-CHOME, CHIYODA-KU TOKYO J APAN 100, Reel and Frame Number: 007592/0717

LEGAL-REP: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

PUB-TYPE: August 31, 1999 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 257#139

US-ADDL-CL: 257#212, 257#401, 257#630, 257#646, 257#649, 257#E29.011, 257#E29.136, 257#E29.198, 257#E29.257

CL: 257

SEARCH-FLD: 257#139, 257#212, 257#341, 257#401, 257#630, 257#646, 257#649

IPC-MAIN-CL: H 01L029#74

PRIM-EXMR: Crane, Sara

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patno=5945692

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5/27/03

US 5,945,692

09/891925

Selected file: PLUSPAT

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Comprehensive Worldwide Patents database
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE
Last update of file: 2003/05/22 (YYYY/MM/DD) 2003-20/UP (basic update)

Search statement 1

?us5945692/pn

** SS 1: Results 1

Search statement 2

?prt fu legalall max

1/1 PLUSPAT - (C) QUESTEL-ORBIT
PN - US5945692 A 19990831 [US5945692]
TI - (A) Semiconductor device and method of fabricating same
PA - (A) MITSUBISHI ELECTRIC CORP (JP)
PA0 - Mitsubishi Denki Kabushiki Kaisha, Tokyo [JP]
IN - (A) YANO MITSUHIRO (JP); MOCHIZUKI KOUICHI (JP)
AP - US43281295 19950502 [1995US-0432812]
PR - JP11838694 19940531 [1994JP-0118386]
IC - (A) H01L-029/74
EC - H01L-023/31
- H01L-029/06B2B2C2
- H01L-029/423D2B7C
- H01L-029/739C2
- H01L-029/78B2
PCL - ORIGINAL (O) : 257139000; CROSS-REFERENCE (X) : 257E23123 257E29011
257E29136 257E29198 257E29257 257212000 257401000 257630000
257646000 257649000
DT - Corresponding document
CT - US4161744; US4364073; US4814283; US5196354; US5521409; EP0091079;
JP1-265524; JP4-57330; JP4-130631
- Patent Abstracts of Japan, vol. 14, No. 408 (E-972) (4351), Sep. 4,
1990, and JP 2 153570, Jun. 13, 1990.

IEEE Transactions on Electron Devices, vol. ED-27, No. 2, pp. 340-343,
Feb. 1980, Richard W. Coen, et al., "A High-Performance Planar Power
Mosfet".

Patent Abstracts of Japan, vol. 11, No. 275 (E-537) (2722), Sep. 5,
1987, and JP 62 73766, Apr. 4, 1987.

Patent Abstracts of Japan, vol. 16, No. 558 (E-1294), Nov. 27, 1992,
and JP 4 212468, Aug. 4, 1992.

STG - (A) United States patent
AB - There is disclosed a semiconductor device having an MOS gate for
reducing variations in threshold voltage (V_{th}) with time wherein a
surface protective film is not formed in a device area including
channels but only in a device peripheral area, thereby reducing the
amount of hydrogen atoms migrating to a silicon-silicon oxide
interface in a cell area and, accordingly, reducing the number of
Si--H chemical bonds at the interface.

5/27/03

US 5,945,692

09/891925

1/1 LGST - (C) LEGSTAT
PN - US 5945692 [US5945692]
AP - US 432812/95 19950502 [1995US-0432812]
DT - US-P
ACT - 19950502 US/AE-A
APPLICATION DATA (PATENT)
{US 432812/95 19950502 [1995US-0432812]}
- 19950614 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
MITSUBISHI DENKI KABUSHIKI KAISHA 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU
TOKYO, JAP * YANO, MITSUHIRO : 19950411; MOCHIZUKI, KOUICHI : 19950411
- 19990831 US/A
PATENT
- 20010911 US/RF
REISSUE APPLICATION FILED
20010627
UP - 2001-40

1/1 CRXX - (C) CLAIMS/RRX
AN - 3193545
PN - 5,945,692 A 19990831 [US5945692]
PA - Mitsubishi Denki K K JP
PT - E (Electrical)
ACT - 20010627 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010911
REISSUE REQUEST NUMBER: 09/891925
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2811

Reissue Patent Number:

UP - 2001-37
UACT- 2001-09-11

Search statement 2

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Selected file: INPADOC

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Search statement 1

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1 Patent Groups
** SS 1: Results 7

Search statement 2

?famstate nonstop

Stic EIC 2800

Darcy Bates

306-5419

5/27/03

US 5,945,692

09/891925

1/7 INPADOC - (C) INPADOC
PN - DE 69507987 CO 19990408 [DE69507987]
TI - HALBLEITERANORDNUNG MIT EINER MOS-GATE-STRUKTUR UND EINEM
OBERFLAECHENSCHUTZFILM UND VERFAHREN ZUR HERSTELLUNG
IN - YANO MITSUHIRO [JP]; MOCHIZUKI KOUICHI [JP]
PA - MITSUBISHI ELECTRIC CORP [JP]
AP - DE 69507987/95-A 19950512 [1995DE-6007987]
PR - JP 118386/94-A 19940531 [1994JP-0118386]
IC - H01L-029/78; H01L-023/31; H01L-029/06; H01L-029/423; H01L-029/739

1/2 LEGALI - (C) LEGSTAT
PN - DE 69507987 [DE69507987]
DT - DE-P
ACTE- 19990408 DE/REF-P
CORRESPONDS TO
(EP 685890 19990408 [EP-685890])
- 19990729 DE/8373
TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS
BEEN PUBLISHED
- 20000330 DE/8364 [+]
NO OPPOSITION DURING TERM OF OPPOSITION
UP - 2000-13

2/2 LEGALI - (C) LEGSTAT
PN - EP 685890 [EP-685890]
AP - EP 95107265/95 19950512 [1995EP-0107265]
DT - EP-P
ACTE- 19950512 EP/AE-A
EP-APPLICATION
{EP 95107265/95 19950512 [1995EP-0107265]}
- 19951206 EP/AK-A1 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:
DE FR GB
- 19951206 EP/A1 [+]
PUBLICATION OF APPLICATION WITH SEARCH REPORT
- 19960207 EP/17P [+]
REQUEST FOR EXAMINATION FILED
951212
- 19970604 EP/17Q [+]
FIRST EXAMINATION REPORT
970417
- 19990303 EP/AK-B1 [+]
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION:
DE FR GB
- 19990303 EP/B1 [+]
PATENT SPECIFICATION
- 19990408 EP/REF-P
CORRESPONDS TO:
(DE 69507987 19990408 [DE69507987])
- 19990623 EP/REG; GB/727
GB: APPLICATION MADE FOR AMENDMENT OF SPECIFICATION (SECT. 27/1977)
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- 19990625 EP/ET [+]
FR: TRANSLATION FILED
- 19990811 EP/REG; GB/727A
GB: APPLICATION FOR AMENDMENT OF SPECIFICATION NOW OPEN TO OPPOSITION
(SECT. 27/1977)

5/27/03

US 5,945,692

09/891925

- <GB>
- 19991124 EP/REG; GB/727B
GB: CASE DECIDED BY THE COMPTROLLER ** SPECIFICATION AMENDED (SECT. 27/1977)
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 - 19991208 EP/REG; GB/SP
GB: AMENDMENT (SLIPS) PRINTED
 - <GB>
 - 20000223 EP/26N [+]
NO OPPOSITION FILED
 - 20020101 EP/REG; GB/IF02 [+]
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- UP - 2002-17

2/7 INPADOC - (C) INPADOC
PN - DE 69507987 T2 19990729 [DE69507987]
TI - HALBLEITERANORDNUNG MIT EINER MOS-GATE-STRUKTUR UND EINEM OBERFLAECHENSCHUTZFILM UND VERFAHREN ZUR HERSTELLUNG
IN - YANO MITSUHIRO [JP]; MOCHIZUKI KOUICHI [JP]
PA - MITSUBISHI ELECTRIC CORP [JP]
AP - DE 69507987/95-A 19950512 [1995DE-6007987]
PR - JP 118386/94-A 19940531 [1994JP-0118386]
IC - H01L-029/78; H01L-023/31; H01L-029/06; H01L-029/423; H01L-029/739

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DT - DE-P
ACTE- 19990408 DE/REF-P
CORRESPONDS TO
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- 19990729 DE/8373
TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED
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2/2 LEGALI - (C) LEGSTAT
PN - EP 685890 [EP-685890]
AP - EP 95107265/95 19950512 [1995EP-0107265]
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US 5,945,692

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DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION:

DE FR GB

- 19990303 EP/B1 [+]
PATENT SPECIFICATION
- 19990408 EP/REF-P
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- 20020101 EP/REG; GB/IF02 [+]
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
<GB>

UP - 2002-17

3/7 INPADOC - (C) INPADOC

PN - EP 685890 A1 19951206 [EP-685890]

TI - SEMICONDUCTOR DEVICE HAVING A MOS GATE STRUCTURE AND A SURFACE
PROTECTIVE FILM AND METHOD OF FABRICATING THE SAME.

LA - ENG

IN - YANO MITSUHIRO C O MITSUBISHI [JP]; MOCHIZUKI KOUICHI C O FUKURYO [JP]

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AP - EP 95107265/95-A 19950512 [1995EP-0107265]

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IC - H01L-029/78; H01L-023/31; H01L-029/06; H01L-029/423; H01L-029/739

DS - DE* FR* GB*

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<GB>
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PR - JP 118386/94-A 19940531 [1994JP-0118386]
IC - H01L-029/78; H01L-023/31; H01L-029/06; H01L-029/423; H01L-029/739
DS - DE* FR* GB*

5/27/03

US 5,945,692

09/891925

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DT - DE-P
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DT - EP-P
ACTE- 19950512 EP/AE-A
EP-APPLICATION
{EP 95107265/95 19950512 [1995EP-0107265]}
- 19951206 EP/AK-A1 [+]
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- 19951206 EP/A1 [+]
PUBLICATION OF APPLICATION WITH SEARCH REPORT
- 19960207 EP/17P [+]
REQUEST FOR EXAMINATION FILED
951212
- 19970604 EP/17Q [+]
FIRST EXAMINATION REPORT
970417
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ASSIGNMENT OF ASSIGNEE'S INTEREST
MITSUBISHI DENKI KABUSHIKI KAISHA 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU
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